CLAIMS:

1. A composition including a first nucleic acid construct in which expression of a first gene is controlled by a first promoter whose function is

suppressed in non-tumour cells, and a second nucleic acid construct in which expression of a second gene for down-regulating the first gene in non-tumour cells is controlled by a second promoter that is up-regulated in non-tumour cells.

10

2. A composition according to claim 1 wherein expression of said second gene produces an antisense RNA transcript complementary to a sequence within mRNA produced on transcription of said first gene.

15

3. A composition according to claim 1 wherein expression of said second gene produces a ribozyme specific for a sequence within mRNA produced on transcription of said first gene.

20

4. A composition according to claim 1 wherein expression of said second gene produces a sequence-specific transcriptional suppressor and said first nucleic acid construct includes a binding site sequence for the suppressor.

25

5. A composition according to claim 4 wherein said sequence-specific transcriptional suppressor is a lac

5

operator suppressor.

- 6. A composition according to claim 4 wherein said sequence-specific transcriptional suppressor includes a tet repressor DNA-binding domain and a suppression domain of the *Drosophila* KRAB transcription factor.
- 7. A composition according to claim 4 wherein said sequence-specific transcriptional suppressor includes a Gal-4 DNA-binding domain and a suppression domain of the Drosophila even-skipped transcription factor.
- 8. A composition according to any preceding claim wherein said first nucleic acid construct and said second nucleic acid construct are each on separate nucleic acid vectors.
- 9. A composition according to any of claims 1 to 8
 wherein said first nucleic acid construct and said second
 nucleic acid construct are on the same nucleic acid
 vector.
- 10. A composition according to claim 9 including an insulator sequence between said first nucleic acid construct and said second nucleic acid construct.
 - 11. A composition according to claim 9 or claim 10 wherein a said nucleic acid vector is a viral vector.

25

- 12. A composition according to any of the preceding claims wherein said second nucleic acid construct includes a p53 binding site sequence or CMB promoter.
- 13. A composition according to claim 12 wherein said second nucleic acid construct includes said p53 binding site sequence downstream of a TATA Box and transcriptional start site of the second promoter.
- 10 14. A composition according to any preceding claim wherein said first promoter is up-regulated in tumour cells.
- 15. A composition according to claim 14 wherein said first promoter is the HEP70 promoter.
 - 16. A composition according to any preceding claim wherein said first gene is a reporter gene.
- 20 17. A composition according to any of claims 1 to 15 wherein said first gene encodes an antitumour agent.
 - 18. A composition according to claim 17 wherein said antitymour agent is a pro-drug activating enzyme.
 - 19. A composition according to claim 18 wherein said prodrug activating enzyme is a thymidine kinase.

10

- 20. A cell containing a first nucleic acid construct and a second nucleic acid construct of a composition according to any preceding claim.
- 5 21. A cell according to claim 20 which is a tumour cell.
 - 22. A method comprising introduction of a first nucleic acid construct and a second nucleic acid construct of a composition according to any of claims 1 to 19 into a cell.
 - 23. A method according to claim 22 wherein said cell is a tumour gell.
- 24. A method according to claim 22 or claim 23 wherein said introduction takes place in vitro.

add C^3